



State of the Art Accident

Recorder Technology - Highway

Les Dole

President & CEO

Cadec Corporation

About Cadec Corporation

- In the commercial trucking technology industry for over 26 years.
- Innovator in the field of transportation technology.
 - ❖ Electronic DOT logs
 - ❖ Electronic state fuel tax
- Over 75,000 onboard units installed.



About Transportation Technology

- Onboard Computing
- Wireless Communications
- Enterprise Wide Reporting and data Integration

Today's Focus is the Onboard Computer or "OBC"

About Mobius TTS

Cadec's Mobius TTS® OBC collects information in 3 major categories:

- Driver Performance/Productivity

Safety and Compliance

- Business Specific





Safety and Compliance Information

DOT states that a majority of all motor vehicle accidents are caused by excessive speed.

Mobius TTS provides instantaneous feedback and coaching to the driver as specific speed limits are approached and exceeded.

Management reports, by exception, help quickly identify problem/unsafe drivers.

Accident Prevention!



Accident Information

Accidents happen no matter what proactive steps are taken to prevent them.

Do you know what happened to this vehicle?



Mobius TTS does!

Accident Reconstruction

Mobius TTS:

- Passively tracks speed, RPM and location
- Telemetry *every second!*
- Records information from specific switch inputs that include time, duration and location of activation. Switch input sources can include, but are not limited to:
 - ❖ Brakes
 - ❖ Headlights
 - ❖ Wipers



5/30/2003 4:33:05 PM

Cadec Corporation

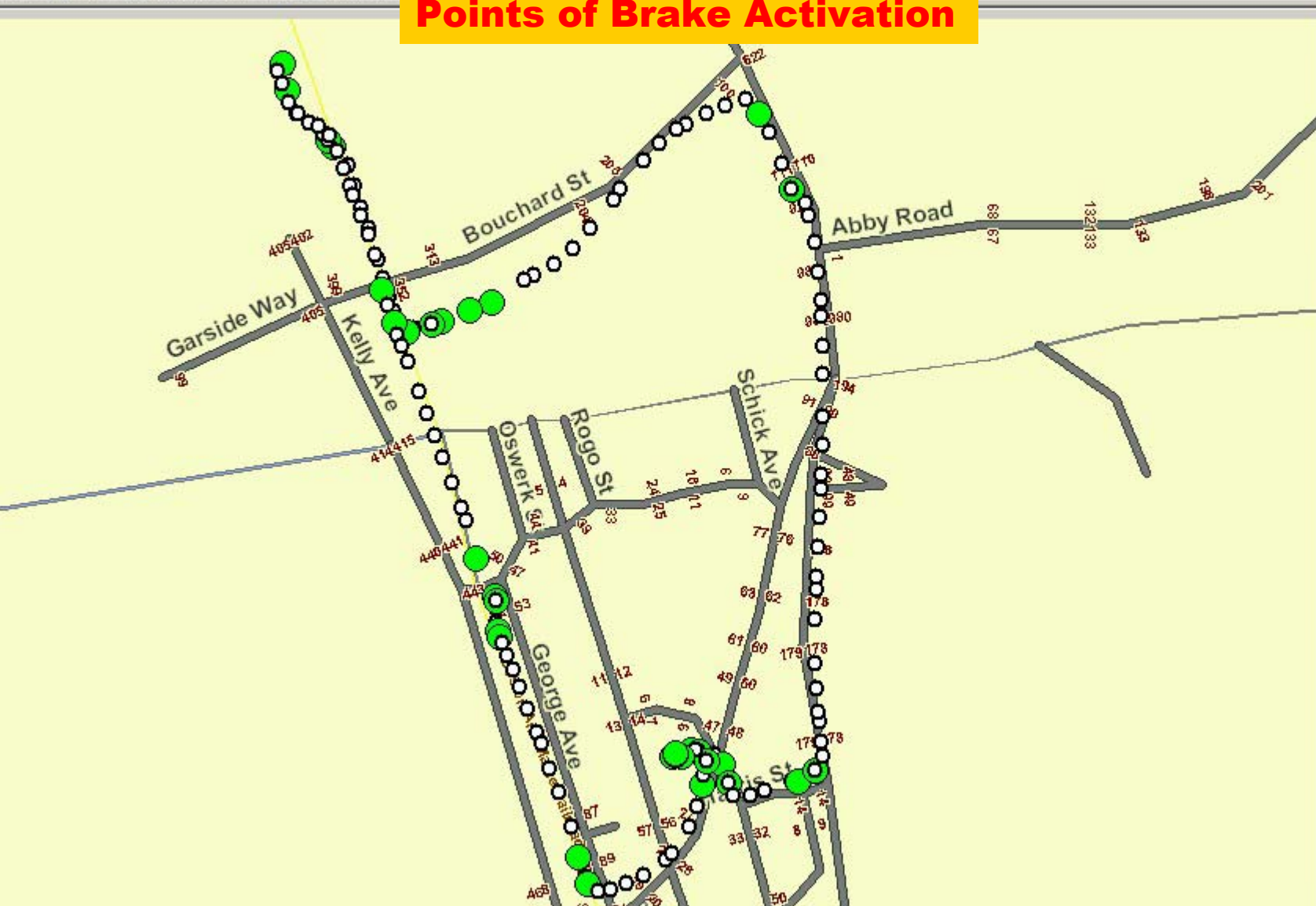
8 E Perimeter Rd.
Londonderry, NH 03053

Auxiliary Switch Report

From 05/30/2003 through 05/30/2003

Start Date & Time	Duration	Vehicle ID	Switch	Odometer	Driver ID	Trailer ID(s)
05/30/2003 16:04:27	0:06:06	374	Headlights	3.5	DB	
05/30/2003 16:04:41	0:07:25	374	Windshield Wipers	3.5	DB	
05/30/2003 16:04:43	0:00:04	374	Brake Activation	3.5	DB	
05/30/2003 16:05:00	0:00:05	374	Brake Activation	3.5	DB	
05/30/2003 16:06:12	0:00:04	374	Brake Activation	3.6	DB	
05/30/2003 16:06:24	0:00:02	374	Brake Activation	3.6	DB	
05/30/2003 16:06:37	0:00:25	374	Brake Activation	3.6	DB	
05/30/2003 16:07:50	0:00:08	374	Brake Activation	4.0	DB	
05/30/2003 16:08:29	0:00:00	374	Brake Activation	4.3	DB	
05/30/2003 16:08:31	0:00:02	374	Brake Activation	4.3	DB	
05/30/2003 16:08:35	0:00:05	374	Brake Activation	4.4	DB	
05/30/2003 16:09:04	0:00:01	374	Brake Activation	4.5	DB	
05/30/2003 16:09:13	0:00:06	374	Brake Activation	4.6	DB	
05/30/2003 16:09:52	0:00:06	374	Brake Activation	4.7	DB	
05/30/2003 16:10:22	0:00:04	374	Brake Activation	4.9	DB	
05/30/2003 16:10:28	0:00:05	374	Brake Activation	5.0	DB	
05/30/2003 16:10:34	0:01:27	374	Headlights	5.0	DB	
05/30/2003 16:11:16	0:00:04	374	Brake Activation	5.1	DB	
05/30/2003 16:11:42	0:00:03	374	Brake Activation	5.3	DB	
05/30/2003 16:11:53	0:00:05	374	Brake Activation	5.3	DB	
Cadec Corporation			<u>Total Engagements</u>	<u>Avg. Engagement Time*</u>	<u>Total Engagement Time</u>	
			20	0:00:49	0:16:27	

Points of Brake Activation



Map Controls

Space

Zoom

Street

Click Map to

Do Nothing

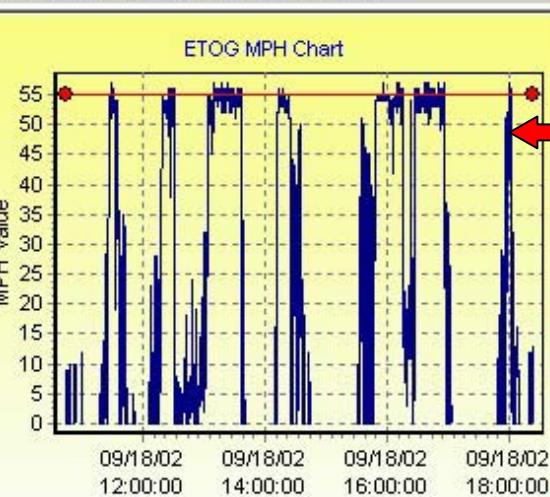
Zoom In

Zoom Out

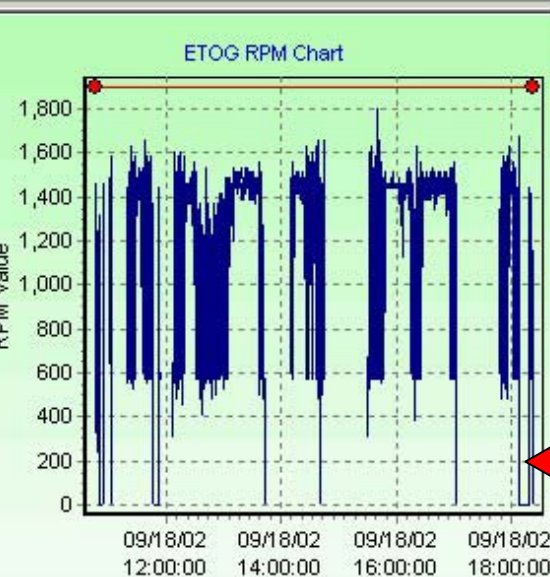
Re-center Map

Click on a map point to see detail about the event.

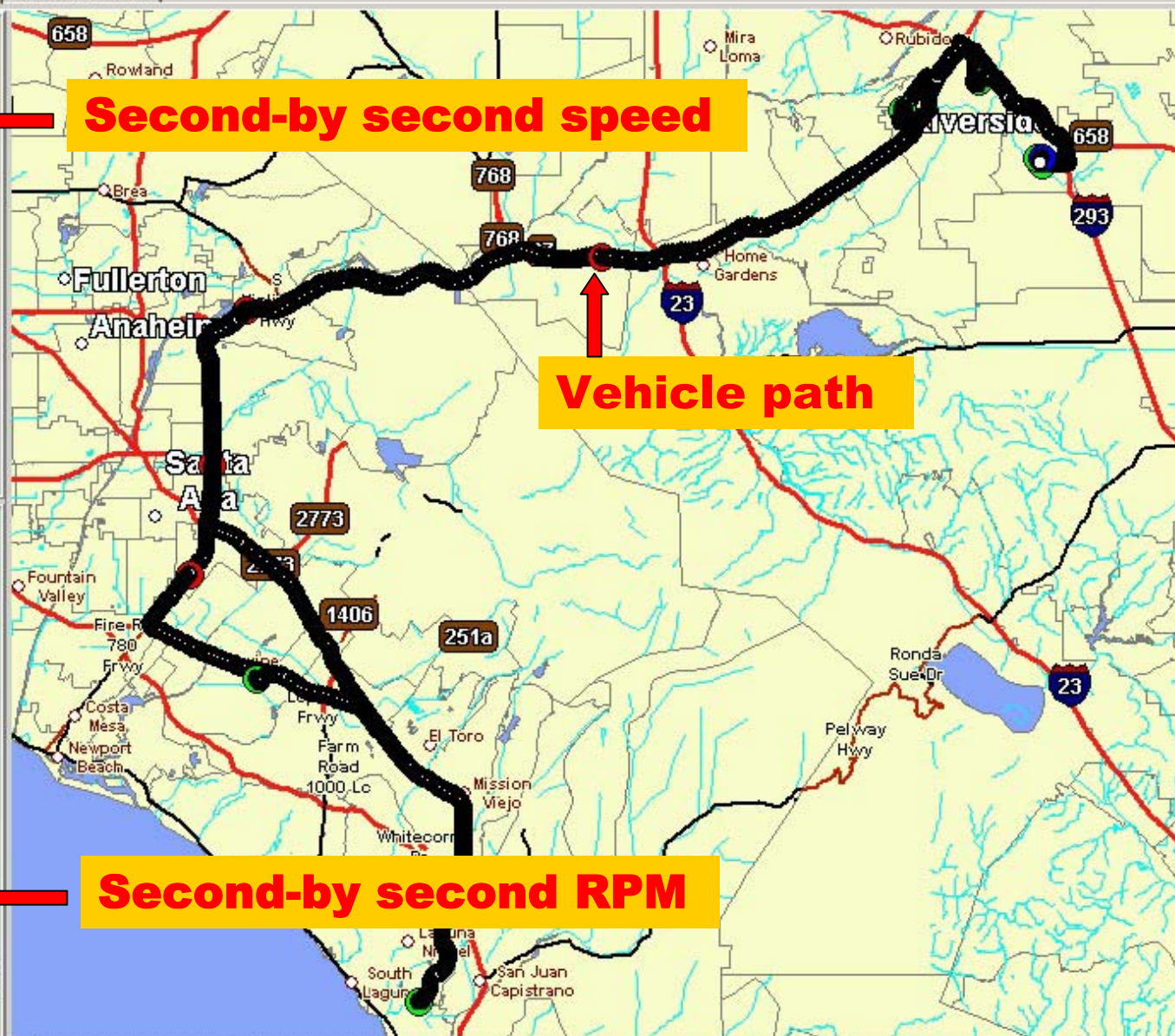




Second-by second speed



Second-by second RPM



Vehicle path

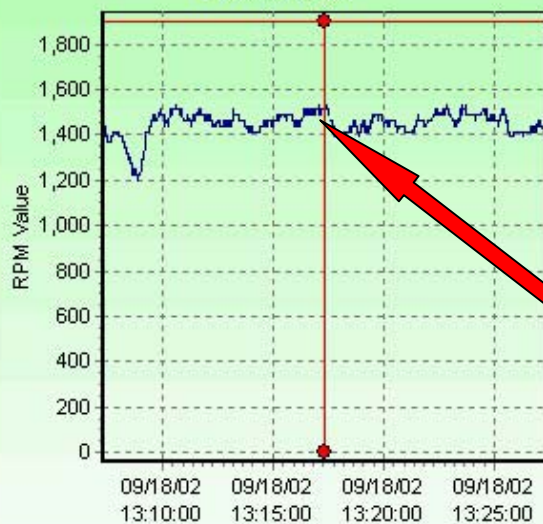
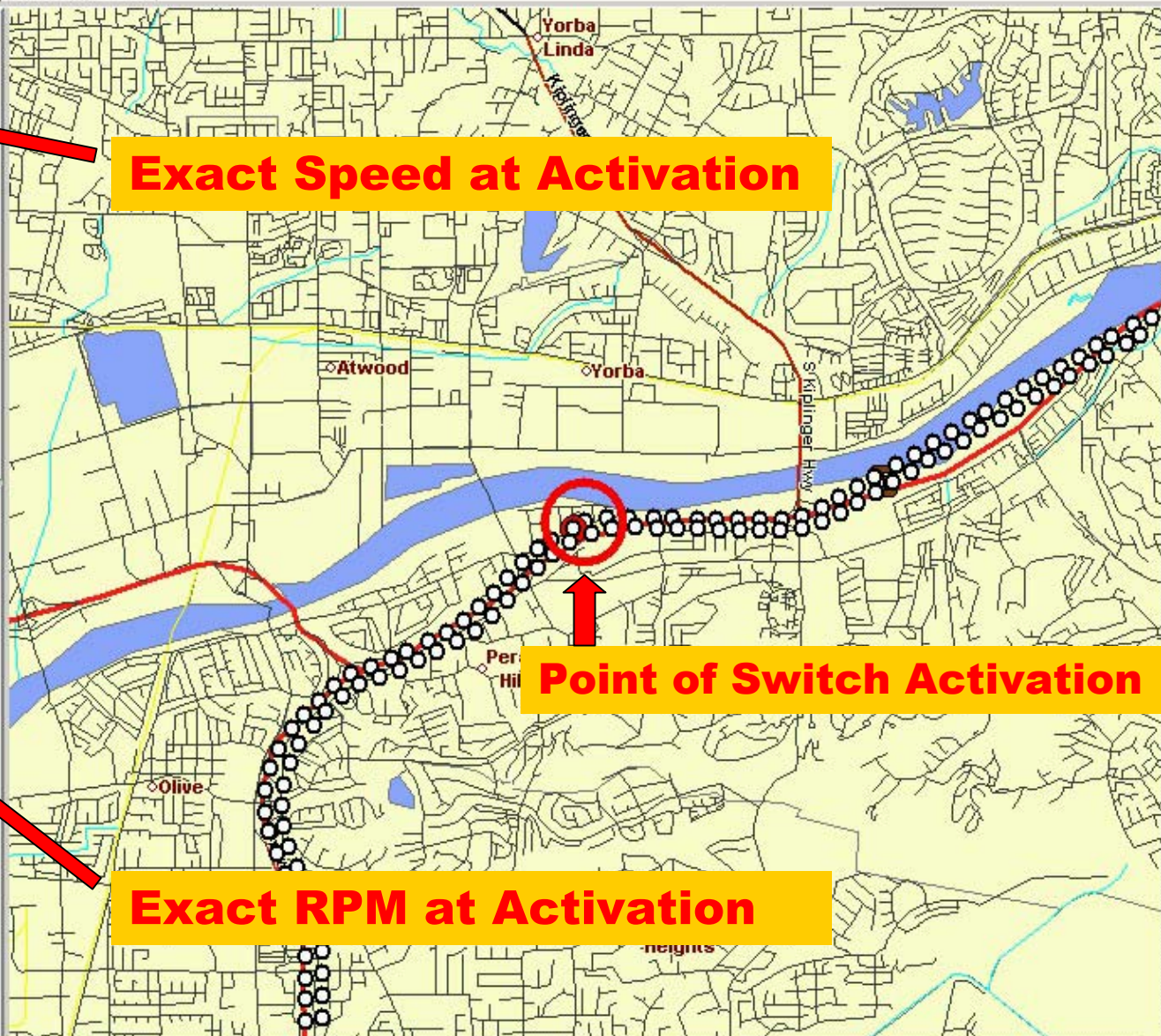


MPH Data RPM Data MPH / RPM Data ETOG Location Breadcrumb Data

ETOG MPH Chart

**Exact Speed at Activation**

ETOG RPM Chart

**Exact RPM at Activation****Point of Switch Activation**

Summary

Mobius TTS combines:

- Powerful onboard processing.
- Global Positioning System tracking.
- Direct connection to engine for second-by-second speed tracking.
- Multi-mode wireless communication to automatically send vital data/telemetry back to the office.
- Powerful data analysis/reporting package.

Summary

This allows Mobius TTS users to:

- Proactively identify, manage and perhaps even terminate “risky” drivers before an incident occurs. This can dramatically lower the overall risk of an accident.
- Should an accident occur, Mobius TTS can reconstruct the event using a combination of speed, position, time and other switch input information, giving a detailed picture of exactly what occurred!



**Please stop by our display table to
check out a live Mobius TTS system.**

Thank You